

REMARKS

In response to the Official Action mailed January 8, 2004, Applicants amend their application and request reconsideration. In this Amendment, no claims are canceled and claim 19 is added so that claims 1-19 are now pending. No new matter has been added.

The Official Action objected to the drawings. Pursuant to the objection, a proposed drawing amendment is attached. All of the changes requested by the Examiner and additional changes to make the drawings consistent and to correct misspellings are proposed. Approval is requested.

The Official Action objected to the specification. Pursuant to the objection, the application is amended to include appropriate corrections. Applicants note, however, that "PHS 81b" at page 43, line 7, is correct. Instead, Applicants have changed "PHS 81" to "PHS 81b" at page 43, line 17.

Claim 1 is amended to clarify that the detector of the on-the-spot area measures the physical and electrical operating characteristics of the electrical device. All other amendments are merely clerical. Claim 19 is added to specify that the physical and electrical operating characteristics include the temperature, vibration, current, and voltage of the electrical device (see page 16, lines 4-13 of the patent application).

Claims 5-7, 12, 14, and 16-18 were stated to be allowable.

Claims 1-4 and 13 were rejected as anticipated by Tanaka (US Patent 6,567,730). That rejection is respectfully traversed.

Tanaka fails to teach all of the limitations of amended claim 1. Namely, Tanaka fails to disclose the detector of amended claim 1. The Official Action contends that diagnosis data collector 12 of Tanaka teaches the detector of claim 1. However, neither the diagnosis data collector 12, nor the vehicle equipment 11a-e of Tanaka, measures the physical and electrical operating characteristics of an electrical device. Diagnosis data collector 12 does not, in fact, measure anything at all; it merely collects data from the vehicle equipment 11a-e. Vehicle equipment 11a-e merely outputs operation and fault logs, but performs no actual measuring of physical and electrical operating characteristics (see column 3, line 55 to column 4, line 5 of Tanaka).

Furthermore, Tanaka fails to teach the display of amended claim 1. In the structure of amended claim 1 a display is included in the management area so that a user may view the diagnosis result. The Official Action contends that the display 15 of Tanaka teaches this limitation of claim 1. However, display 15 of Tanaka is comprised in vehicle diagnosis section A1, corresponding to the on-the-spot area of amended claim 1 (see Figure 1 of

In re Appln. of HATTORI et al.
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Tanaka). Accordingly, Tanaka fails to teach a display included in the external diagnosis section A2 corresponding to the management area of amended claim 1.

Claims 8-11 and 15 were rejected as unpatentable over Tanaka in view of Hall et al. (US Patent 6,006,147, hereinafter Hall). That rejection is respectfully traversed.

The rejection of claims 8-11 and 15 relies on the contention that Tanaka teaches all of the limitations of amended claim 1. As previously discussed, that contention is erroneous. Accordingly, *prima facie* obviousness has not been established as to claims 8-11, 13, and 15, which depend directly or indirectly from claim 1. Therefore, the rejection should be withdrawn.

Reconsideration and withdrawal of the rejections are earnestly solicited.

Respectfully submitted,



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Date: 7/7/04
AWF:tps

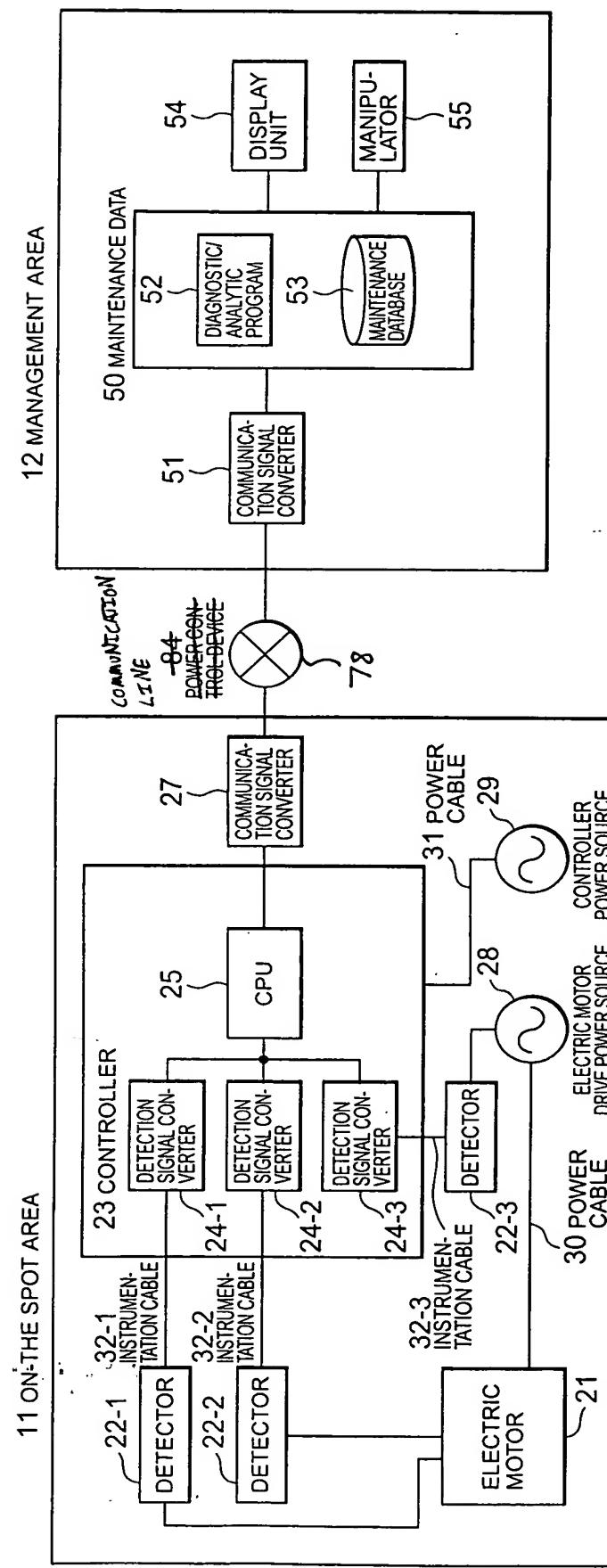
Amendment or ROA - Regular (Revised 9/03/03)



"Approved."
CJB
12 May '04

Annotated Sheet Showing Changes

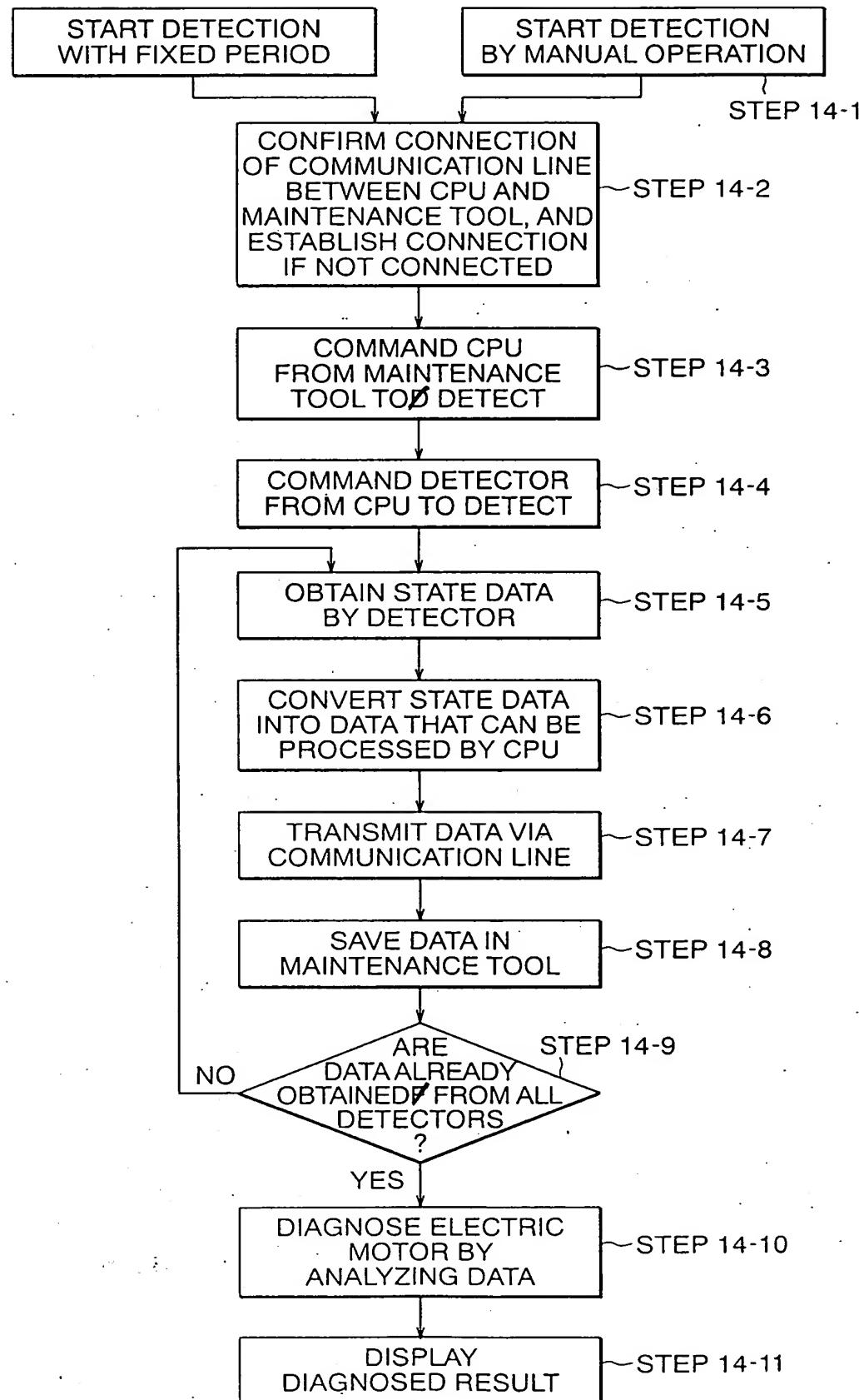
FIG. 12





**Annotated Sheet
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FIG. 14





Annotated Sheet Showing Changes

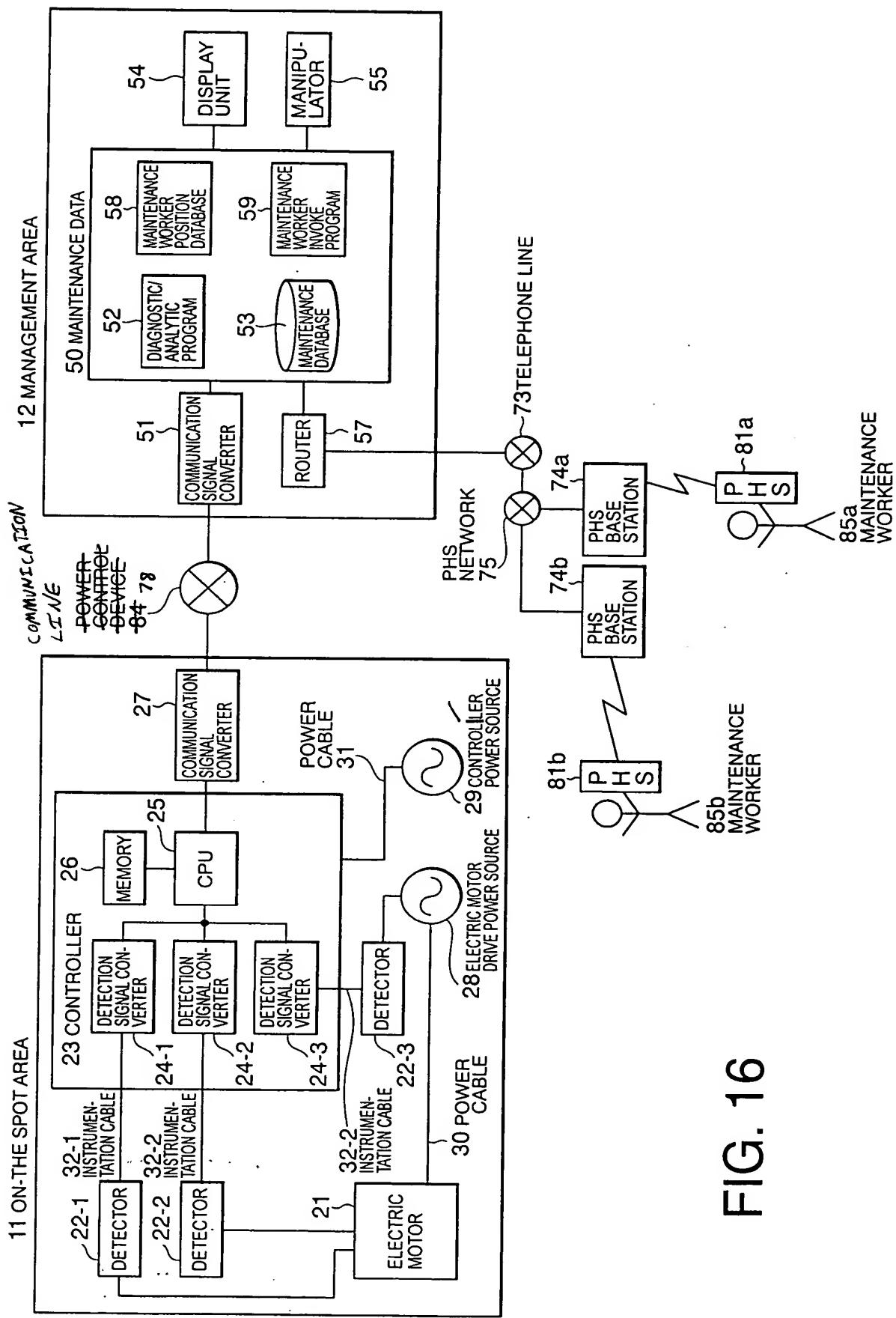


FIG. 16



Annotated Sheet Showing Changes

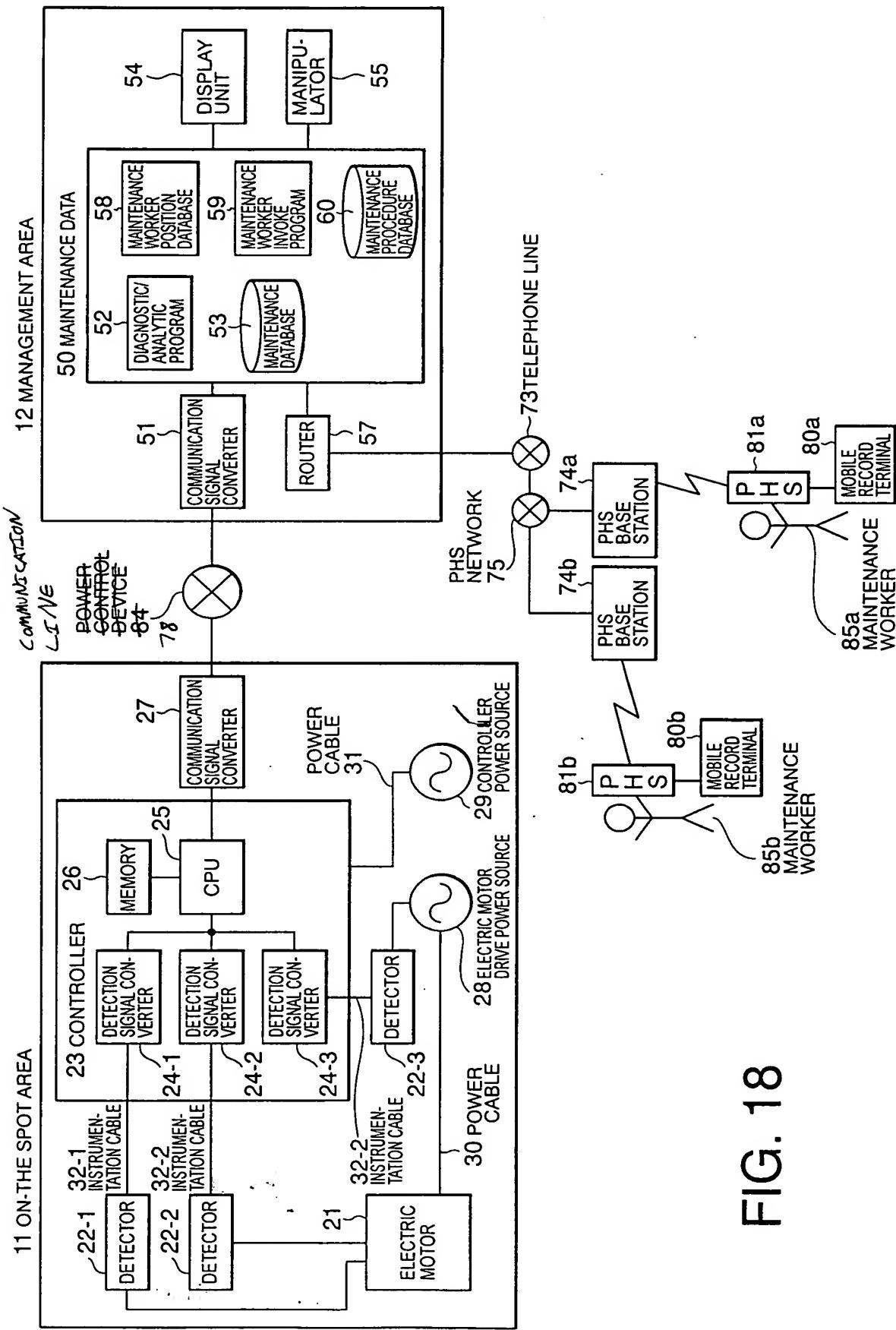


FIG. 18



Annotated Sheet Showing Changes

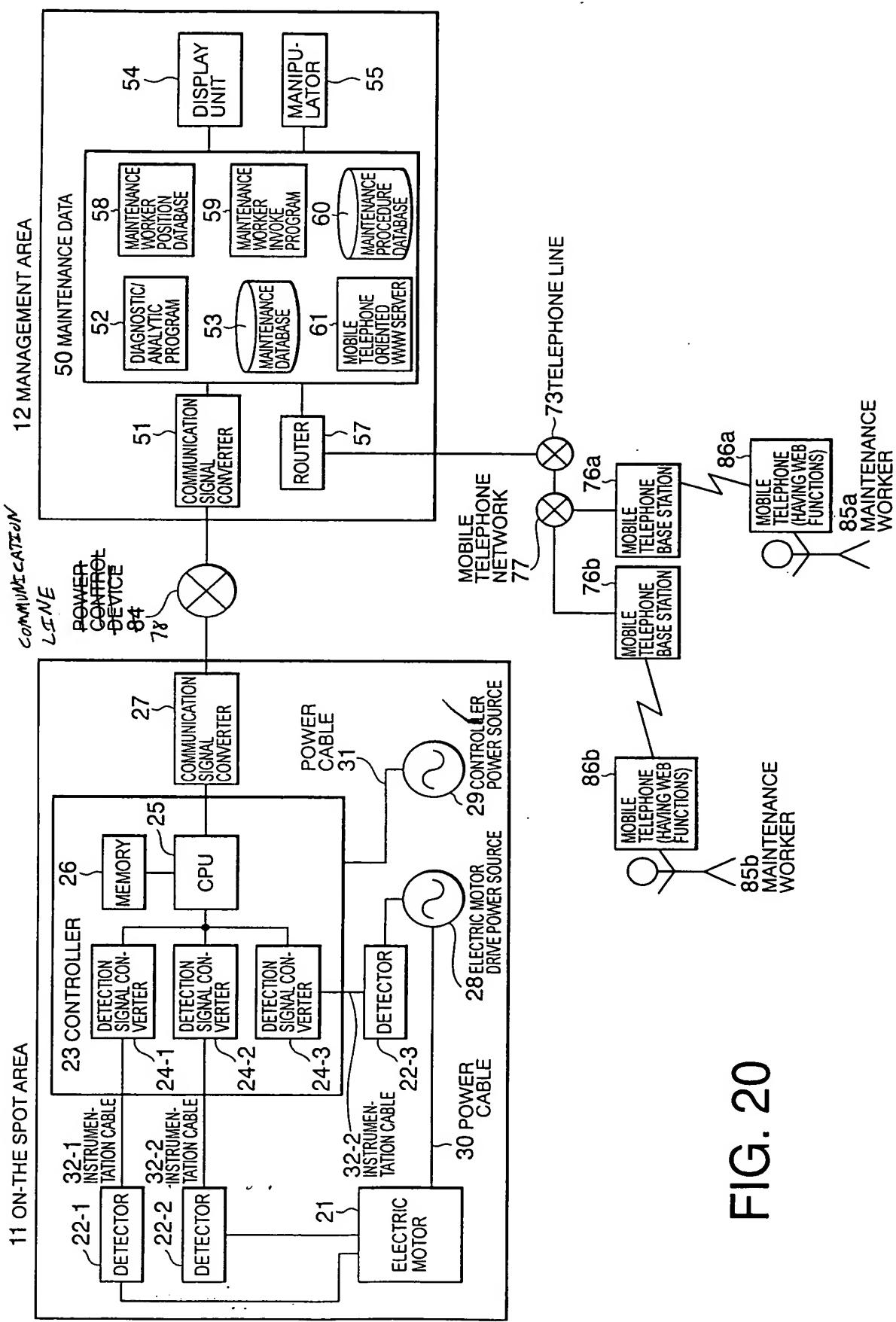
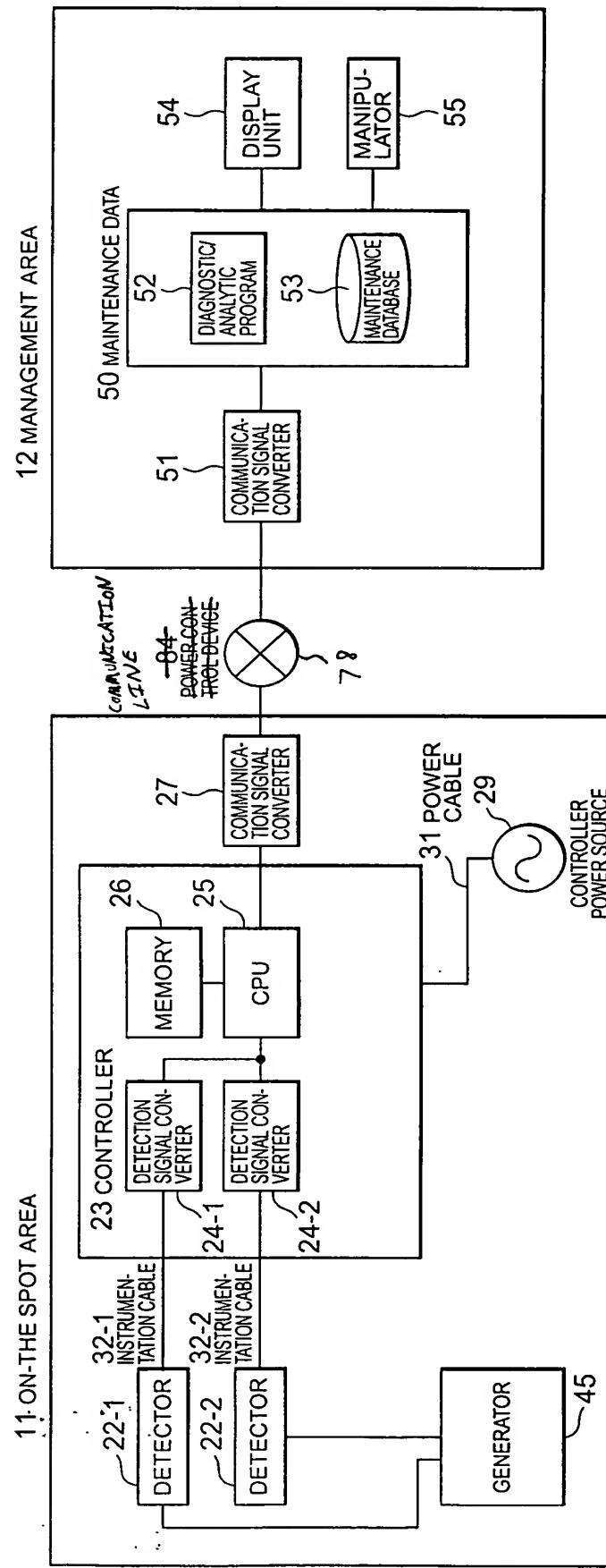


FIG. 20



Annotated Sheet Showing Changes

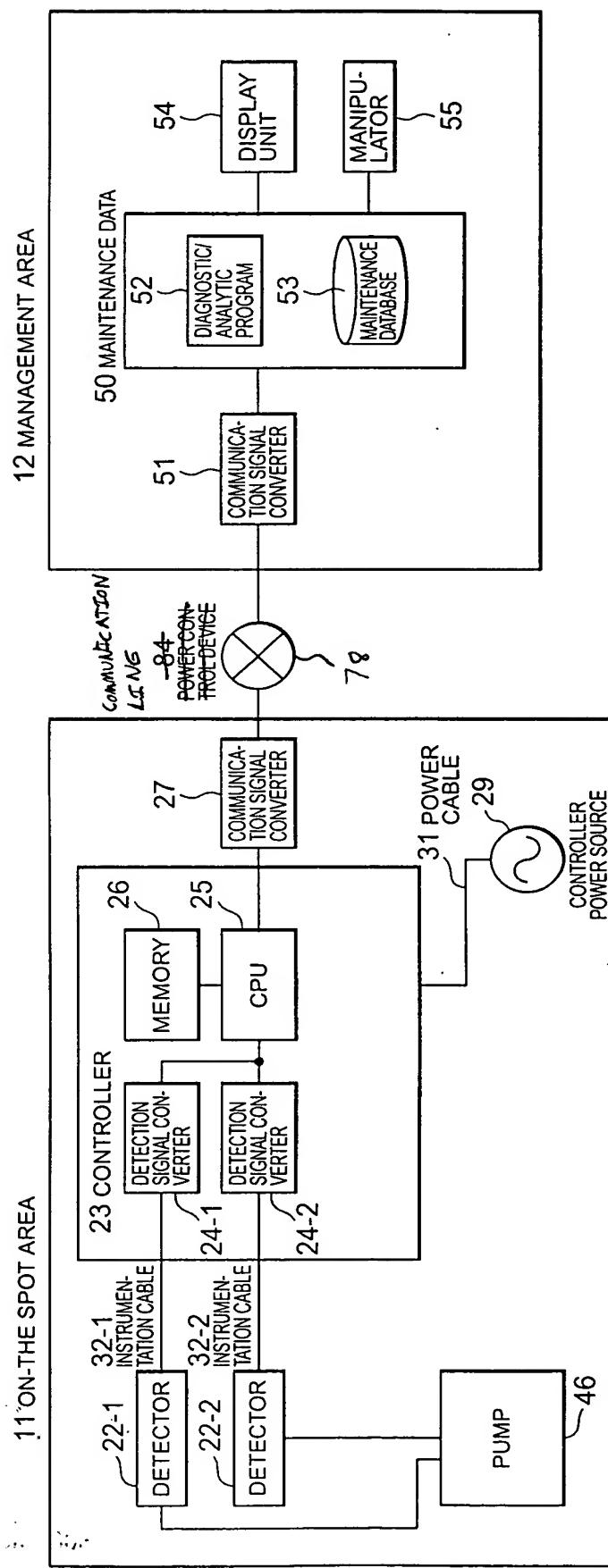
FIG. 21





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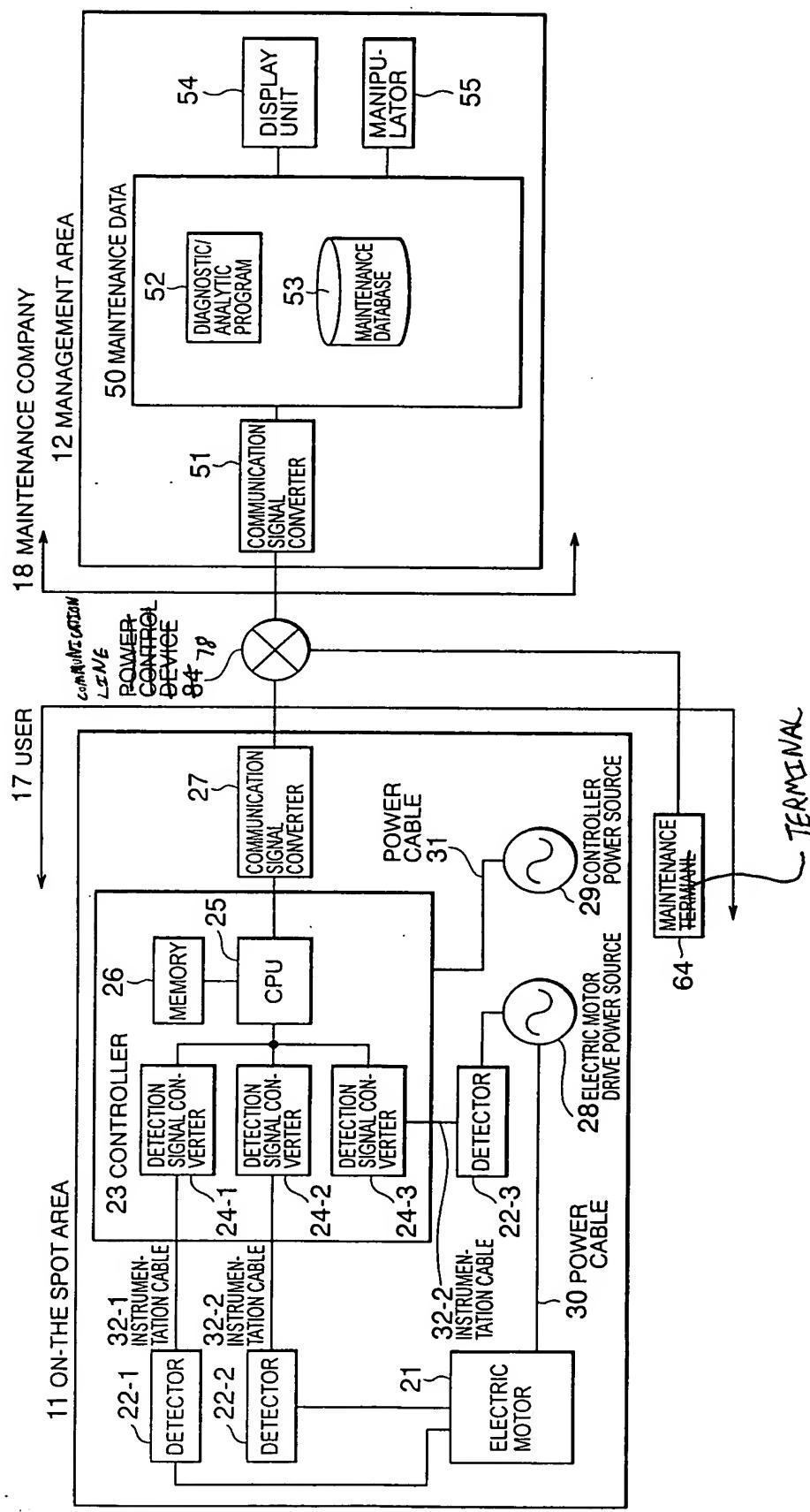
FIG. 22





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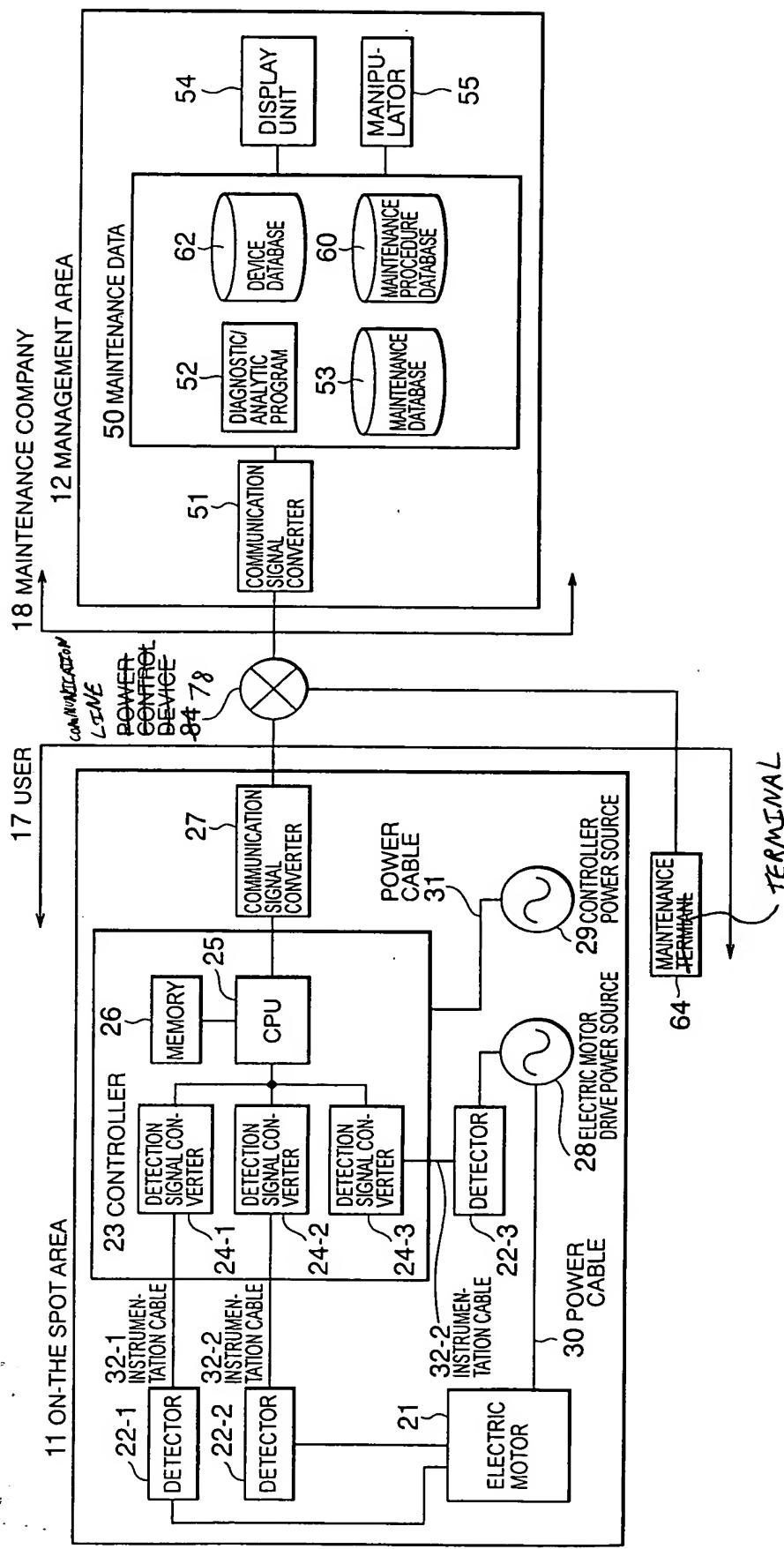
FIG. 23





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FIG. 24





**Annotated Sheet
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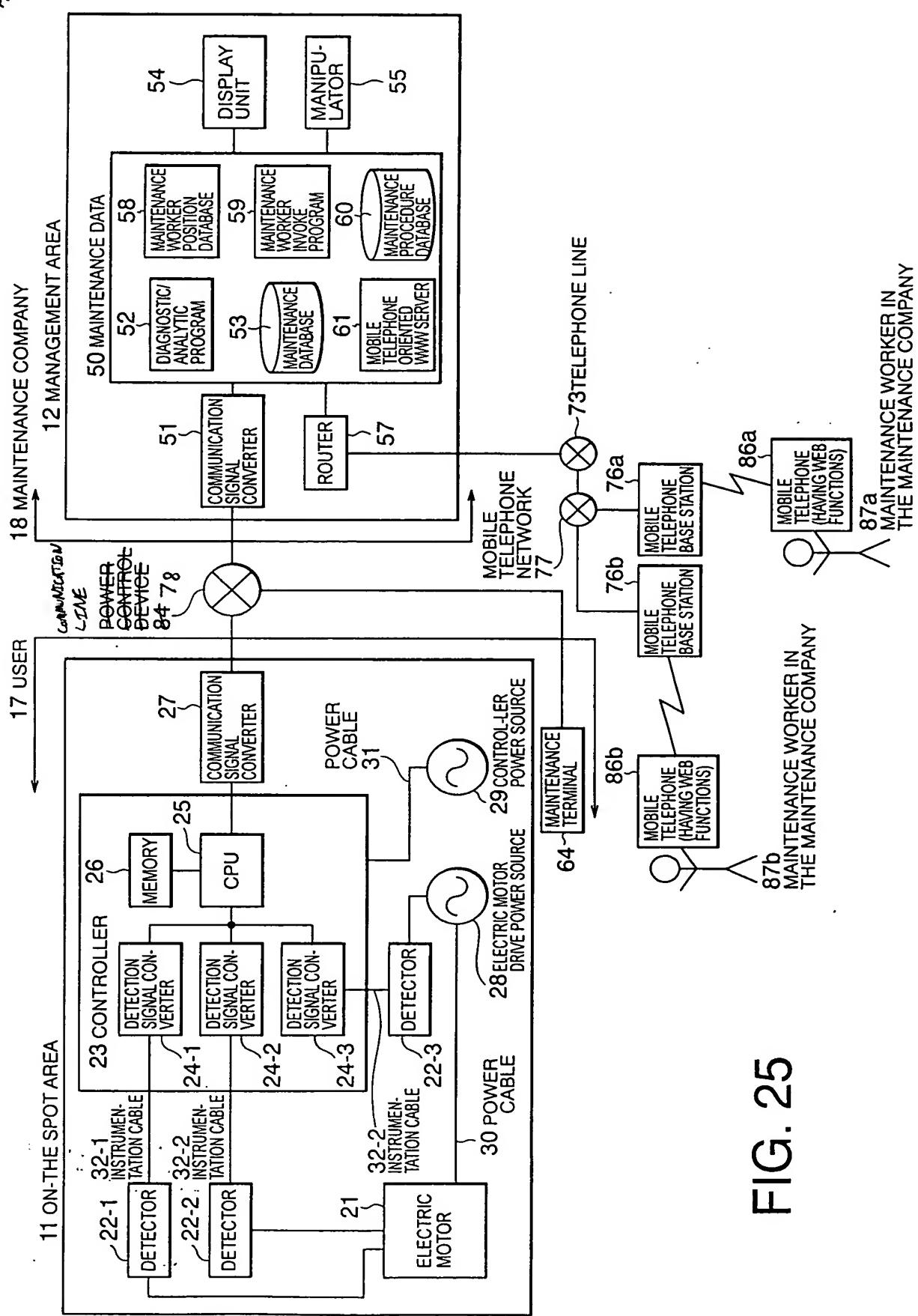
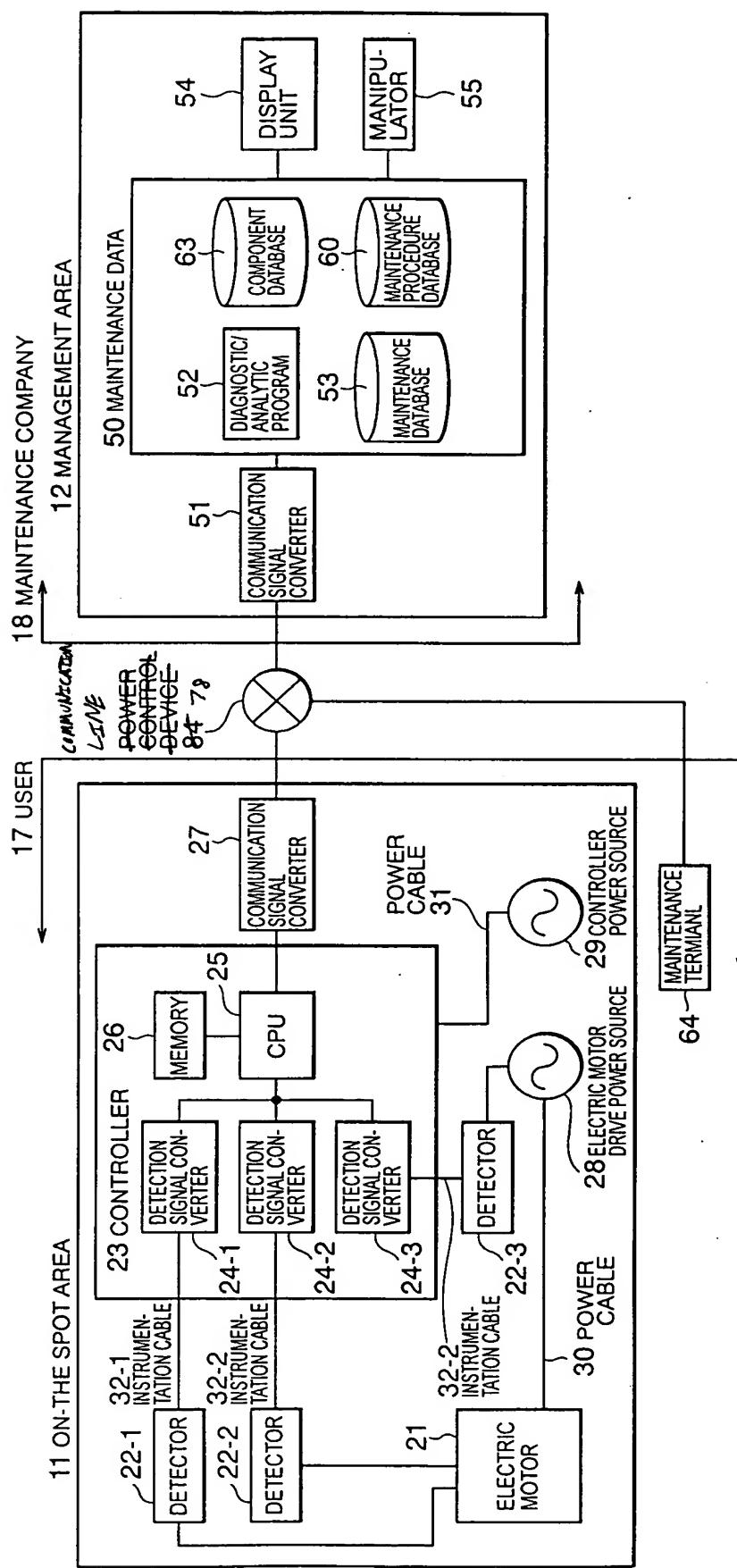


FIG. 25

**Annotated Sheet
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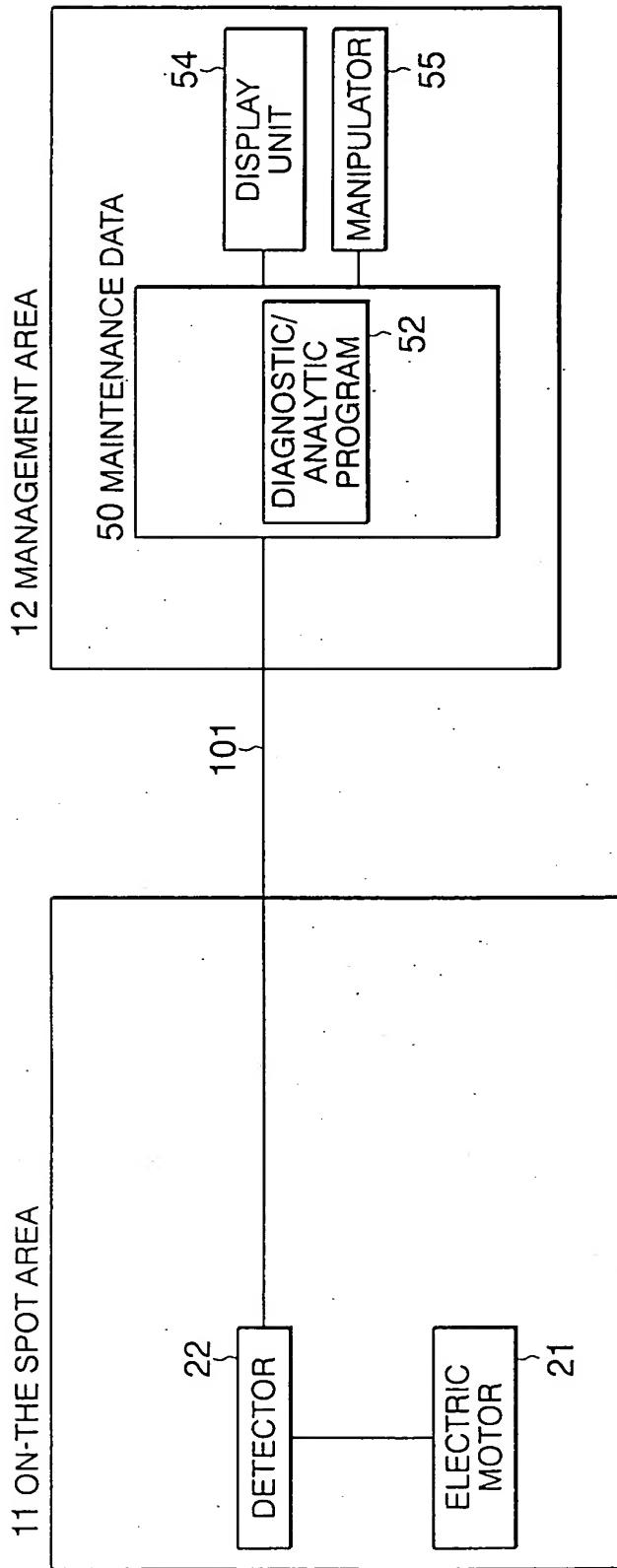
FIG. 26



ANNOATED SHEET
SHOWING CHANGES



FIG. 27



PRIOR ART